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Fig. 1 PRIOR ART

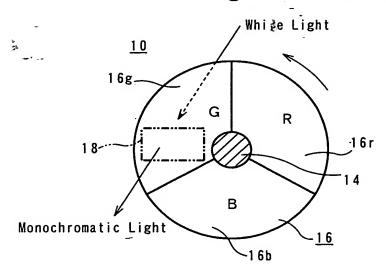
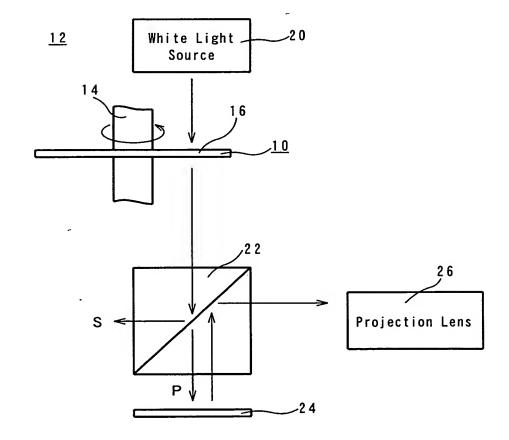


Fig. 2 PRIOR ART

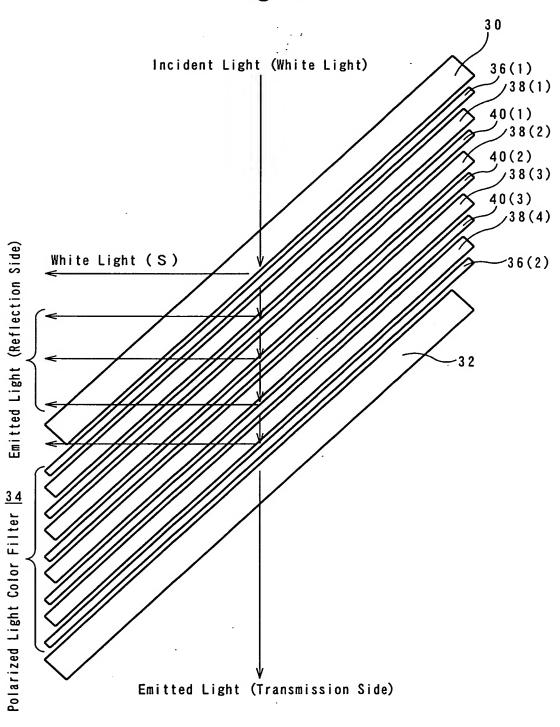


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Fig. 3



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POLARIZED LIGHT COLOR FILTER AND VIDEO PROJECTOR COMPRISING THE SAME Inventor(s): Shinichiro TAJI 10/089210

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Fig. 4

In case of the non-polarized light incident to polarized light color filter 34

First Polarized Light Converting Element (R)	Second Polarized Light Converting Element (G)	Third Polarized Light Converting Element (B)	Third Narrow-band Polarizaition Spectroscopic Element	Emission Light from Filter (Transmission Side)
Through	Through	Through	R+G+B (P)	R+G+B (P)
Through	Through	Reverse	R+G(S)	R+G (P)
Through	Reverse	Through	R (S)	R (P)
Reverse	Through	Through	Absent	Absent
Through	Reverse	Reverse	R + B (P)	R+B (P)
Reverse	Reverse	Through	G+B (P)	G+B (P)
Reverse	Through	Reverse	B (P)	B _. (P)
Reverse	Reverse	Reverse	G (S)	G (P)

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Fig. 5

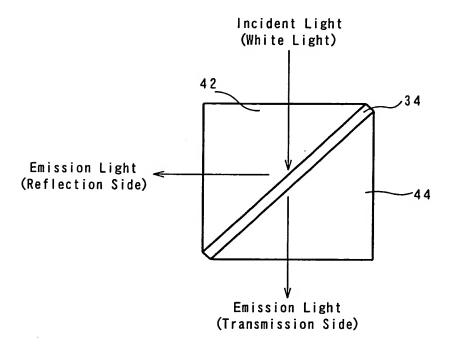
		Emission Light
	of	Transmission Side
(a) Transparent Substrate 30	Incident Light	R + G + B
Substrate 30		
First Wide-hand		R + G + B
First Wide-band (b) Polarization	[(s) Reflection]	
Spectroscopic Element 36(1)		R + G + B (P)
、First Polarized Light		
(c) First Polarized Light Converting Element 38(1)	[Oug]	
First narrow-hand		R+G+B(P)
First narrow-band (d) Polarization	[R (S) Reflection]	
Spectroscopic Element 40(1)		R + G + B (P)
Second Polarized Light		
(e)Second Polarized Light Converting Element 38(2)	LReverseJ	,
Second manney band		R+G+B (S)
Second narrow-band (f)Polarization	[G(S) Reflection]	
Spectroscopic Element 40(2)		R + B (S)
Third Polarized Light	5-1 13	
(g) Third Polarized Light Converting Element 38(3)	LThroughJ	
		R+B(S)
Third narrow-band (h) Polarization	[B(S) Reflection]	
Spectroscopic Element 40(3))	
Fourth Pologized Light		R (S)
(i) Fourth Polarized Light Converting Element 38(4)	[Reverse]	
-		D (D)
Second Wide-band (j)Polarization		
Spectroscopic Element 36(2))	
		R (P)
(k)Transparent Supstrate32		·
	Emission Light	→ R (P)
	•	

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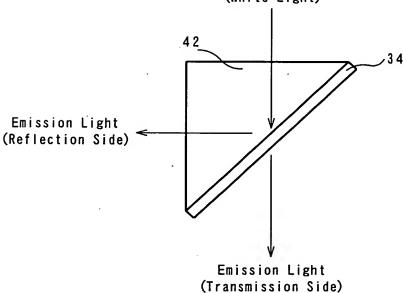
Fig. 6



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Fig. 7

Incident Light
(White Light)

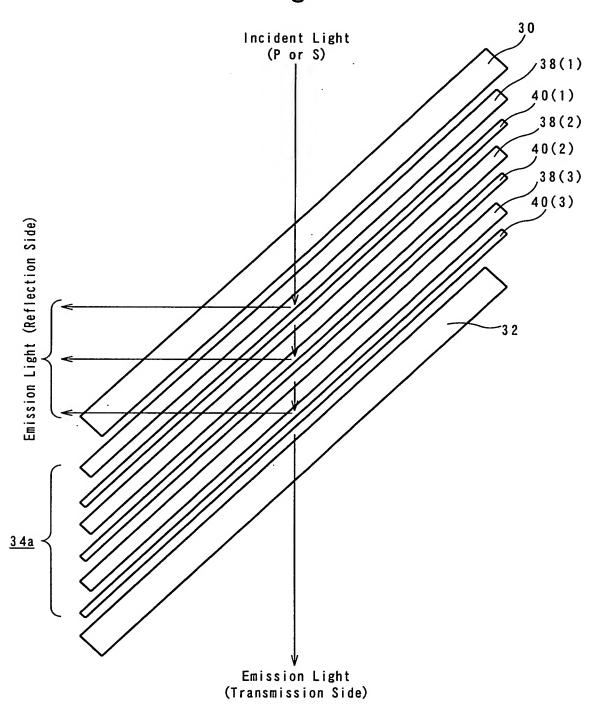


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Fig.8



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Fig. 9

In case of the P-polarized light incident to polarized light color filter 34a

First Polarized Light Converting Element (R)	Second Polarized Light Converting Element (G)	Third Polarized Light Converting Element (B)	Emission Light from Filter (Reflection Side)	Emission Light from Filter (Transmission Side)
Through	Through	Through	Absent	R+G+B (P)
Through	Through	Reverse	B (P)	R+G(S)
Through	Reverse	Through	R+G (P)	R (S)
Reverse	Through	Through	R+G+B (P)	Absent
Through	Reverse	Reverse	G (P)	R + B (P)
Reverse	Reverse	Through	R (P)	G+B (P)
Reverse	Through	Reverse	R+G (P)	B (P)
Reverse	Reverse	Reverse	R+B (P)	G (S)

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Fig. 10

In case of the S-polarized light incident to polarized light color filter 34a

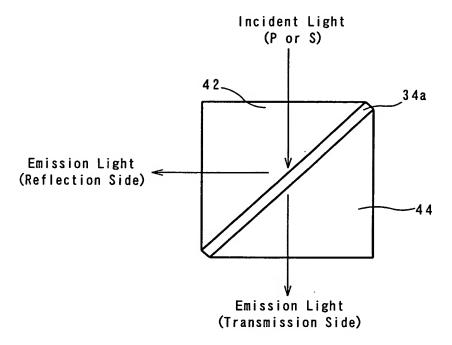
First Polarized Light Converting Element (R)	Second Polarized Light Converting Element (G)	Third Polarized Light Converting Element (B)	Emission Light from Filter (Reflection Side)	Emission Light from Filter
Through	Through	Through	R+G+B (S)	Absent
Through	Through	Reverse	R+G(S)	B (P)
Through	Reverse	Through	R (S)	G+B (P)
Reverse	Through	Through	Absent	R+G+B (P)
Through	Reverse	Reverse	R + B (S)	G (S)
Reverse	Reverse	Through	G + B (S)	R (S)
Reverse	Through	Reverse	B (S)	R + G (S)
Reverse	Reverse	Reverse	G (S)	R + B (P)

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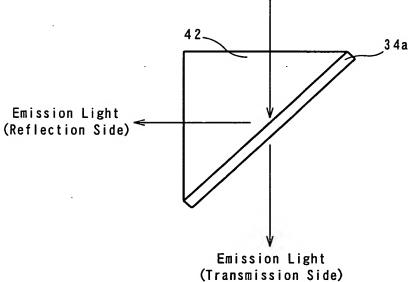
Fig. 11



HODSSHO DUBSON

Fig. 12

Incident Light (P or S)

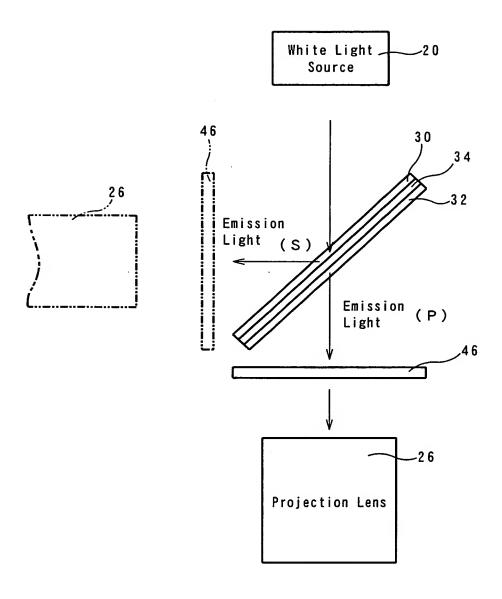


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Fig. 13



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Fig. 14

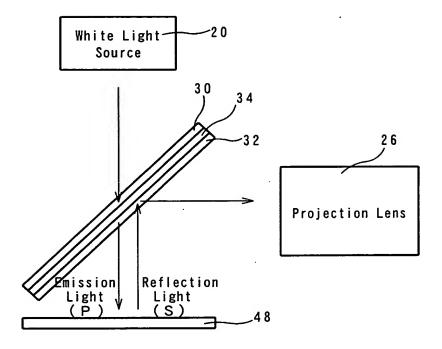
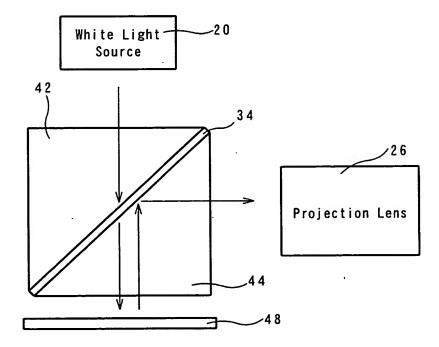


Fig. 15



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Fig. 16

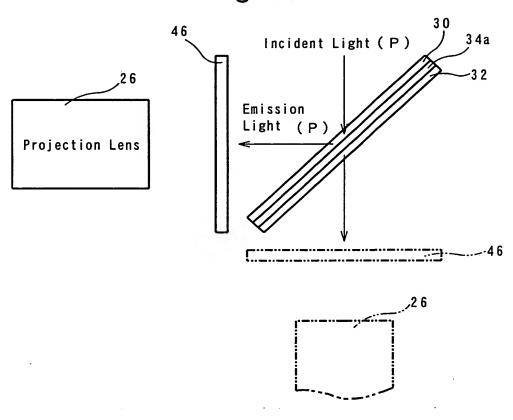
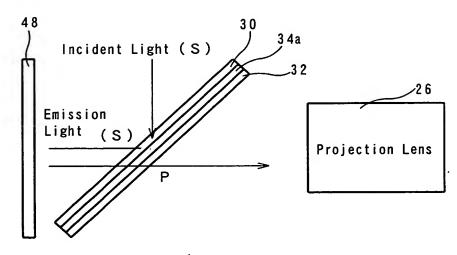


Fig. 17



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Fig. 18

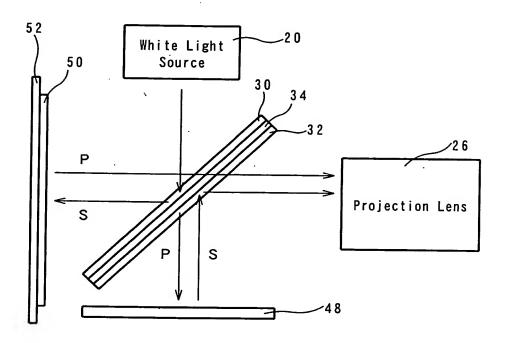


Fig. 19

